INDEX TO VOL. V.

ALLAN, F. N., BOWIE, D. J., MACLEOD, J. J. R., and ROBINSON, W. L., behaviour of depancreatized dogs kept alive with insulin, 75

ALLISON, V. D., the effect of the administration of vaccines on the lysozyme content of tissues and secretions, 165

ANDREWES, C. H., the nature of the difference between the bilirubins of obstructive and hæmolytic jaundice, 213

Antibodies, reputed chemical stimulation of, 18

Anti-dysentery serum, standardization of, 100

ARKWRIGHT, J. A., the source and characteristics of certain cultures sensitive to bacteriophage, 23

—— and GOYLE, A. N., the relation of the "smooth" and "rough" forms of intestinal bacteria to the "O" and "H" forms of Weil and Felix, 104

AYLING, T. H., an automatic filler, 354

Bacilli, acid-fast, group specificity of antigens, 171

B. acidophilus odontolyticus, characters and distribution of, 175

B. coli, bearing of fixation areas on the pathogenicity of, 123

B. dysenteriæ, standardization of anti-serum, 100

B. influenzæ, growth requirements of, 69

B. tuberculosis, determination of infections by silica, 158

—— group specificity of antigens, 171

Bacteria, intestinal, "smooth" and "rough" forms of, 104

Bacterial antigens, properties of, prepared by various methods, 185, 205

—— invasion, effect of radium and X-rays, 220

Bactericidal power of blood, reduction of, by decalcifying agents, 47

—— —— effect of radiation on, 54

—— property of milk, 271

Bacteriophage, characteristics of cultures sensitive to, 23

—— reproduction in a synthetic medium, 40

BAKER, S. L., DICKENS, F., and DODDS, E. C., the distribution of insulin in human and other animal tissues, with a description of a micro-method for the estimation of insulin in tissues, 327

BANNERMAN, R. G., variations in the number of blood-plates associated with a common cold, 16

BENIANS, T. H. C., further experiments with fixation areas, bearing on the pathogenicity of *Bacillus coli* in peritoneal infections, 123

Bilirubin in obstructive and hæmolytic jaundice, 213

BOWIE, D. J., see *Allan, F. N.*

BURNET, F. M., observations on the agglutinins in typhoid fever, 251

CAMPBELL, A., and HILL, L., the effects of light upon leucocytes and blood-vessels in the mesentery of the living animal, 317

CHAMBERS, HELEN, and SCOTT, GLADWYS M., experiments on immunity to tumour growth, 1

Cholesterol of blood in malignant disease, 293

Cirrhosis, production of, by manganese, 92

CLARKE, J. K., on the bacterial factor in the ætiology of dental caries, 141

COLEBROOK, L., EIDINOW, A., and HILL, L., the effect of radiation on the bactericidal power of the blood, 54

—— and STOBER, E. J., on the reduction of the bactericidal power of the blood which is effected by adding to it citrate of soda and other decalcifying agents; and on the question whether blood so treated should be employed for immuno-transfusion, 47

COWAN, MARY L., variation phenomena in streptococci; further studies in virulence and immunity in mice and rabbits, 226

CRAMER, W., on the glycogenic function of the liver and its endocrine control, 128

—— and KINGSBURY, A. N., local and general defences against infections, and the effect on them of vitamin-deficiency, 300

CRICHTON, J. A., see *Telfer, S. V.*

CURRIE, A. N., the cholesterol of blood in malignant disease, 293

Dental caries, ætiology of, 141, 175
DICKENS, F., see *Baker, S. L.*, and *Dodds, E. C.*
DOBSON, J. F., see *Stewart, M. J.*
DODDS, E. C., see *Baker, S. L.*
——— and DICKENS, F., some observations on the properties and preparation of insulin, with special reference to the picrate-acetone method of preparation, 115

EAGLES, G. H., the significance of serological grouping of hæmolytic streptococci, with special reference to *Streptococcus scarlatinæ*, 199
EIDINOW, A., see *Colebrook, L.*
Endocrine control of the glycogenic function of the liver, 128

FERRY, N. S., and FISHER, L. W., studies on the immunizing properties of bacterial antigens prepared after various methods, 185, 205
FILDES, P., the growth requirements of hæmolytic influenza bacilli, and the bearing of these upon the classification of related organisms, 69
FINDLAY, G. M., the experimental production of biliary cirrhosis by salts of manganese, 92
FISHER, L. W., see *Ferry, N. S.*
FLEMING, A., on the accuracy of measurement of small volumes of fluid with a capillary pipette, 148

Glycogenic function of the liver, 128
GOYLE, A. N., see *Arkwright, J. A.*
GYE, W. E., and PURDY, W. J., the poisonous properties of colloidal silica, 238

Hæmagglutinin, relation to the Wassermann reaction, 355
Hæmolytic influenza bacilli, growth requirements of, 69
HANSSEN, F. S., the bactericidal property of milk, 271
HARTLEY, P., the effect of radiation on the production of specific anti-bodies, 306
HILL, L., see *Campbell, A.*, and *Colebrook, L.*
Hodgkin's disease, inoculation experiments in monkeys, 65
H-ion concentration, determination of, in pathological plasma, 13

Immuno-transfusion, use of decalcified blood in, 47
Insulin, behaviour of depancreatized dogs kept alive with, 75
——— distribution of, in tissues, 327
——— estimation of, 327
——— preparation of, 115
Intracranial pressure, effect of increased, on medullary centres, 281

JAMES, W. W., see *McIntosh, J.*
Jaundice, bilirubins of, 213
JOHNSTON, MARY E., the mechanism of the immunity to anti-platelet serum, 261

KETTLE, E. H., the demonstration by the fixation abscess of the influence of silica in determining *B. tuberculosis* infections, 158
KINGSBURY, A. N., see *Cramer, W., McIntosh, J.*, and *Mottram, J. C.*

LAZARUS-BARLOW, P., see *McIntosh, J.*
LAZARUS-BARLOW, W. S., and PARRY, R. H., the liver and certain other tissues in relation to acquired immunity towards Jensen's rat sarcoma, 34
LEDINGHAM, J. C. G., the reaction of the skin to vaccinia virus, 332
LEPPER, ELIZARETH H., the reproduction of bacteriophage when the sensitive organism is grown in a synthetic medium, 40
Lysozyme content, effect of the administration of vaccines on, 165

MCINTOSH, J., JAMES, W. W., and LAZARUS-BARLOW, P., an investigation into the ætiology of dental caries: II. The biological characteristics and distribution of *B. acidophilus odontolyticus*: III. Further experiments on the production of artificial caries, 175
——— and KINGSBURY, A. N., on the reputed chemical stimulation of anti-body production, 18
MACLEOD, J. J. R., see *Allan, F. N.*
Manganese, production of biliary cirrhosis by, 92
MARRACK, J., and SMITH, F. C., colorimetric determination of pH in pathological plasma by Cullen's method, 13
Measurement of small volumes of fluid, 148
Milk, bactericidal property of, 271
——— influence of mineral deficiency in, on skeletal growth, 84
MOTTRAM, J. C., and KINGSBURY, A. N., some researches into the action of radium and X-rays correlating the production of intestinal changes, thrombopœnia and bacterial invasion, 220

O'BRIEN, R. A., see *Sudmersen, H. J.*
Œdema in cattle, 313
OKELL, C. C., and PARISH, H. J., a note on hæmolysin and hæmagglutinin with reference to the Wassermann reaction, 355

Paraffin, embedding tissues in, 350
PARISH, H. J., see *Okell, C. C.*
PARRY, R. H., see *Lazarus-Barlow, W. S.*

PERKINS, R. J., see *Twort, C. C.*
PURDY, W. J., see *Gye, W. E.*
Platelets, immunity, to anti-serum, 261
——— reduction of, effect of radium and X-rays, 220
——— variations of, in a common cold, 16
——— effect on the bactericidal power of the blood, 54

Radiation, effect on leucocytes and blood-vessels in frog's mesentery, 317
——— effect on the production of specific antibodies, 306
Radium, effect of, on thrombopœnia, 220
ROBINSON, W. L., see *Allan, F. N.*
RUNGE, B. F., see *Sudmersen, H. J.*

Scarlatina, serological grouping of streptococci, 199
SCOTT, GLADWYS M., see *Chambers, Helen.*
Silica, influence of, in determining *B. tuberculosis* infections, 158
——— poisonous properties of colloidal, 238
SMITH, F. C., see *Marrack, J.*
Stain, modifications in the preparation of neutral red–light green, 350
STAMMERS, A. D., œdema in South African cattle, 313
STEWART, M. J., and DOBSON, J. F., inoculation and implantation experiments in monkeys with glands from cases of Hodgkin's disease, 65
Stomach, new type of cell in glands of, 352
STORER, E. J., see *Colebrook, L.*
Streptococci, variation in, 223
Streptococcus scarlatinæ, serological grouping of, 199
SUDMERSEN, H. J., RUNGE, B. F., and O'BRIEN, R. A., standardization of anti-dysentery (Shiga) serum, 100

TELFER, S. V., and CRICHTON, J. A., the influence of mineral deficiency in goats' milk on the skeletal growth of kids, 84
TODD, E. W., see *Twort, C. C.*
TSUBURA, S., the effects of increased intracranial pressures on the medullary centres, 281
Tumours, immunity to growth of, 1
——— malignant, cholesterol of blood in, 293
——— relation of the liver to Jensen's rat sarcoma 34
TWORT, C. C., TODD, E. W., and PERKINS, R. J., studies on the group specificity of some antigens derived from acid-fast bacilli, 171
TWORT, F. W., further modifications in the preparation of neutral red–light green double stain, and an improved method of embedding tissues in paraffin, 350
——— the demonstration of a hitherto undescribed type of cell in the glands of the stomach, 352
Typhoid fever, agglutinins in, 251

Vaccinia virus, reaction of the skin to, 332
Vitamin-deficiency, effect of, on defence against infection, 300

Wassermann reaction, relation to hæm-agglutinin, 355

X-rays, effect of, on thrombopœnia, 220